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中国苔草属新分类群*

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New taxa of *Carex* L. (Cyperaceae) from China

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Key words *Carex* L.; New taxa; China
关键词 苔草属; 新分类群; 中国

1 印度型苔草 新种 图1

Carex indicaeformis Wang et Tang, in herb., sp. nov. (Sect. Indicae Tuckerm.)——*Carex indica* auct. non L.: Chun et How in Act. Phytotax. Sin. 7(2):81. 1958; Fl. Hainan. 4:338. 1977. Fig. 1

Affinis *C. indicae* L., quae paniculis secundariis densioribus, partibus ♂ spicularum parti ♀ fere aequilongis vel ea longioribus, utriculis pallide brunneis subinflato-trigonis, squamis flavo-brunneis 2~2.5 mm longis differt.

Rhizoma crassum, lignosum. Culmus 60~100 cm altus, triquetrus, rigidulus, ad medium usque foliatus. Folia culmum superantia, plana, 8~15 mm lata, utrinque glabra, margine scabra; vaginae basilares brunneolae, fissae. Inflorescentia depaniculata, remota, interrupta; paniculae secundariae 4~6, singulae in circuitu triangulo-ovatae, 5~8 cm longae, 4~5 cm latae, laxe distantes, longe exserte pedunculatae; pedunculi subfirmi, scabri; rhachis hispida. Bracteae foliaceae inflorescentias superantes, longe vaginantes; bracteolae squamiformes, 1 mm longae, longe aristatae. Spiculae numerosae, laxae, androgynae(pars ♂ brevior quam ea ♀), oblongae 10~20 mm longae, demum divaricatae. Squamae ♀ ovatae vel oblongae, 1~1.5 mm longae, membranaceae, pallide viridi-albidae, apice rotundae vel emarginatae, longe aristatae. Utriculi squamas superantes, demum divaricati, ovati vel ovato-rhombici, 4~4.2 mm longi, trigoni vix inflati, pallide olivacei, glabri, nervosi, basi contracti, apice in rostrum longum margine laeve ore hyalino oblique sectum abrupte abeuntes. Nux ovata vel ovato-rhombica, 2 mm longa, brunnea, trigona. Styli basis incrassata pyramidalis. Stigmata 3.

Hainan(海南): Yaxian(涯县), prope vicum Yeung Lam(洋林村), in monte Yeung Lam Shan(洋林山), in sylvis, 1936-05, S. K. Lou(刘心祁)6219(holotypus, PE); in monte Mahoushan(马猴山), in sylvis, 1954-04-30, Exped. W. Hainan(海南西队)206(PE).

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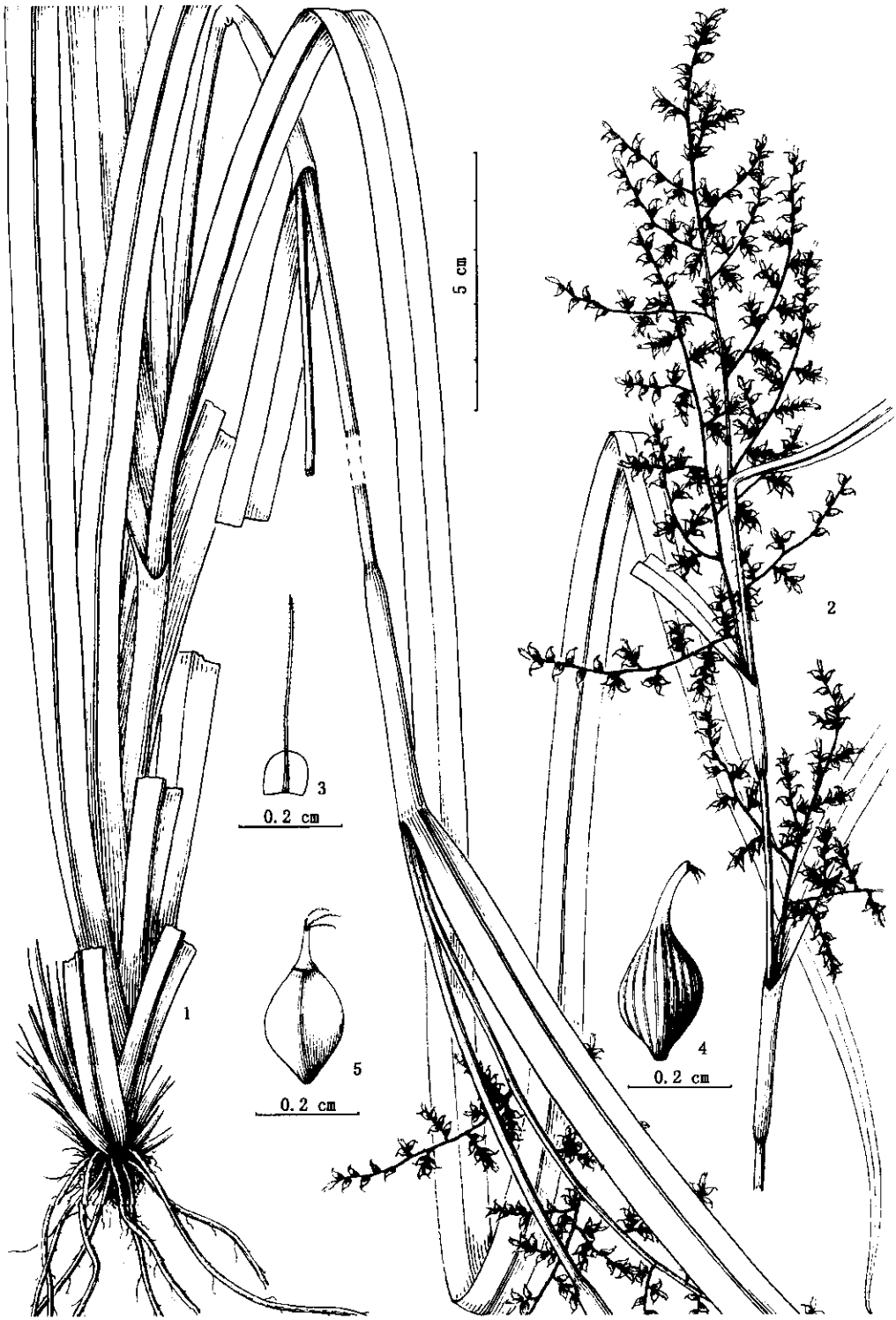

图 1　印度型苔草　1. 植株；2. 花序；3. 雌花鳞片；4. 果囊；5. 小坚果。(吴彰桦 绘)
Fig. 1　*Carex. indicaeformis* Wang et Tang　1. Plant; 2. Inflorescence; 3. Scale of pistillate flower; 4. Utricle; 5. Nut.

根状茎粗壮,木质。秆高60～100 cm,三棱柱形,稍坚挺,至中部均生叶。叶长于秆,扁平,8～15 mm宽,两面无毛,边缘粗糙;基部的叶鞘淡褐色,分裂。圆锥花序复出,稀疏而间断;支圆锥花序4～6枚,单生,轮廓为三角状卵形,长5～8 cm,宽4～5 cm,疏生,具长梗;序梗稍坚挺,粗糙;序轴被短粗毛。苞片叶状,长于花序,具长鞘。小苞片鳞片状,长约1 mm,顶端具长芒。小穗多数,疏生,雄雌顺序,雄花部分短于雌花部分,长圆形,长10～20 mm,成熟时开展。雌花鳞片卵形或长圆形,长1～1.5 mm,膜质,淡绿白色,顶端圆或微凹,具长芒。果囊长于鳞片,成熟时开展,卵形或卵状菱形,长4～4.2 mm,三棱形,几不肿胀,淡绿色,无毛,具多数细脉,基部收缩,顶端骤缩成长喙,喙的边缘平滑,喙口膜质,斜裂。小坚果卵形或卵状菱形,长约2 mm,褐色,三棱形。花柱基部增粗,圆锥形。柱头3枚。

本种与印度苔草 *C. indica* L.接近,区别在于后者的支圆锥花序密生;小穗的雄花部分与雌花部分几等长或稍长;果囊淡褐色,略肿胀三棱形;雌花鳞片黄褐色,长2～2.5 mm。

2 纤序苔草 新种 图2

Carex tenuipaniculata P. C. Li, sp. nov. (Sect. Indicae Tuckerm.). Fig.2

Affinis *C. cruciatae* Wahlenb., quae spiculis numerosis, pedunculis rigidis, utriculis ellipticis differt.

Rhizoma abbreviatum, lignosum. Culmus 30～40 cm altus, 2 mm crassus, triquetrus, laevis, basi vaginis vetustis pallide brunneis obtectus. Folia culmum superantia, plana, 4～5 mm lata, margine scabrella. Inflorescentia depaniculata, 18～21 cm longa, pergracilis, interrupta; paniculae secundariae 3～4, singulae laxe distantes; spiculae paucae, ambitu oblongae, 1～2.5 cm longae, 4～6 mm latae, longe exserte pedunculatae; pedunculi filiformes, inferiores ad 12 cm longi; rhachis pergracilis, pendula, hispida. Bracteae foliaceae inflorescentias superantes, longe vaginantes; bracteolae parvae, squamiformes, longe aristatae. Spiculae paucae, androgynae(pars ♂ ei ♀ subaequilonga vel hac longior), ovatae, 4～5 mm longae, pauciflorae, oblique patentes. Squamae ♀ ovatae, 2.5～3 mm longae, membranaceae, pallide brunneo-albidae, dense brunneo-striolatae et punctulatae, apice acutae, mucronatae. Utriculi anguste elliptici vel oblanceolati, 3～3.5 mm longi, subinflato-trigoni, chartacei, pallide brunneo-albidi, dense brunneo-striolati et punctulati, supra laxe hispidi, 2- vel paucinervii, basi contracti, subsessiles, apice in rostrum longum ore hyalino bidentatum subabrupte attenuati. Nux anguste elliptica, 2 mm longa, trigona, flavo-brunnea. Styli basis subincrassata. Stigmata 3.

Yunnan(云南): Kunming(昆明), in monte Xishan(西山), prope Taihuasi(太华寺), alt. 2100 m, 1945-11-15, T. N. Liu(刘慎谔)14347(holotypus, PE).

根状茎短,木质。秆高30～40 cm,粗约2 mm,三棱柱形,平滑,基部有淡褐色的宿存叶鞘。叶长于秆,扁平,宽4～5 mm,边缘粗糙。圆锥花序复出,长18～21 cm,纤细,间断;支圆锥花序3～4枚,单生,疏生;小穗少数,轮廓为长圆形,长1～2.5 cm,宽4～6 mm,具长梗;序梗丝状,下部的长达12 cm;序轴纤细,下垂,被短粗毛。苞片叶状,长于花

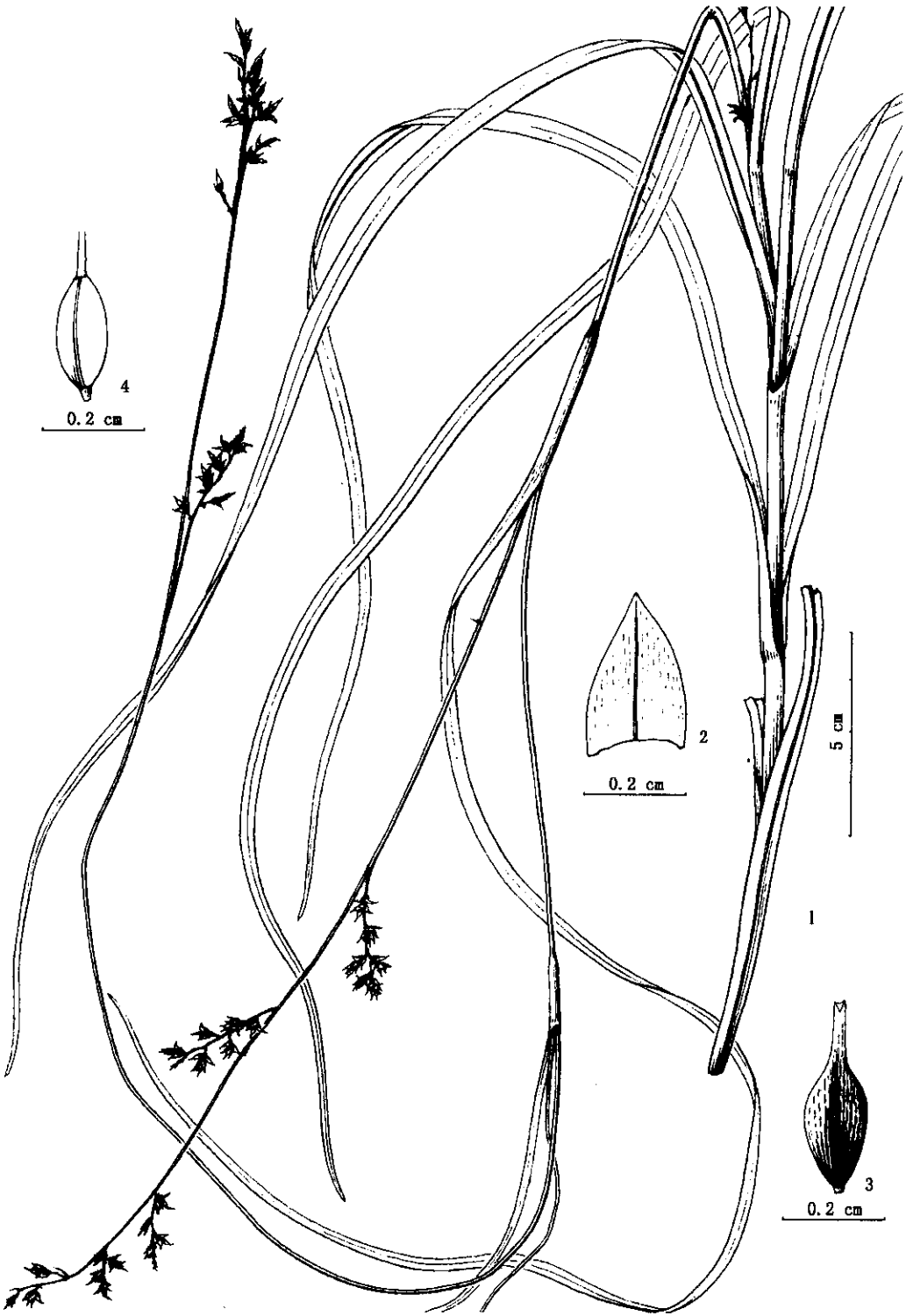

图 2　纤序苔草　1. 植株；2. 雌花鳞片；3. 果囊；4. 小坚果。（吴彰桦 绘）
Fig. 1　*C. tenuipaniculata* P. C. Li　1. Plant; 2. Scale of pistillate flower; 3. Utricle; 4. Nut.

序,具长鞘。小苞片细小,鳞片状,具长芒。小穗少数,雄雌顺序(雄花部分与雌花部分近等长或较长),卵形,长4~5 mm,具少数花,斜展。雌花鳞片卵形,长2.5~3 mm,膜质,淡褐白色,密生褐色的条纹和小点,顶端急尖,有突尖。果囊狭椭圆形或倒披针形,长3~3.5 mm,稍肿胀三棱形,纸质,淡褐白色,有密的褐色的条纹和小点,上部疏被短粗毛,有2至数条脉,基部收缩,近无柄,顶端骤缩成长喙,喙口膜质,具2小齿。小坚果狭椭圆形,长约2 mm,三棱形,黄褐色。花柱基部稍增粗,柱头3枚。

本种与十字苔草 *C. cruciata* Wahlenb. 接近,但后者的小穗多数;序梗坚挺;果囊椭圆形。

3 落鳞苔草 新种 图3

Carex deciduisquama Wang et Tang, in herb., sp. nov. (Sect. Indicae Tuckerm.). Fig. 3

Affinis *C. stramentitiae* Boott, quae squamis stramineis persistentibus, apice rotundatis, paniculis secundariis densioribus, utriculis oblongis vel ovato-oblongis 3~3.5 mm longis differt.

Rhizoma lignosum, crassum. Culmus ad 100 cm altus, obtuse triquetrus, laevis, ad basin vaginis vetustis brunneis dissolutis comose circumdatus. Folia culmum subaequantia, plana, 5~7 mm lata. Inflorescentia depaniculata, 20 cm longa, interrupta; paniculae secundariae 4~6, singulae in circuitu oblongae, 4~7 cm longae, 2.5~3 cm latae, laxe distantes, longe exserte pedunculatae; pedunculi subfirmi, inferiores 12~14 cm longi, glabri; rhachis hispida. Bracteae foliaceae inflorescentia breviores, longe vaginantes; bracteolae squamiformes, 2.5~3.5 mm longae, longe aristatae. Spiculae numerosae, androgynae(pars ♂ ei ♀ subaequilonga), cylindricae, 1~2(3) cm longae, pauciflorae, subdivaricatae. Squamae ♀ oblongae, 3~4 mm longae, pallide brunneae, chartaceae, e dorso virides trinerviae, apice emarginatae, longe aristatae, demum deciduae. Utriculi squamas superantes, anguste elliptici, 5 mm longi, subinflato-trigoni, demum divaricati, pallide flavo-brunnei, glabri, plurinervii, basi contracti, apice in rostrum longum ore hyalino oblique truncatum subsensim attenuati. Nux anguste ellipsoidea, 2.5 mm longa, trigona, brunnea. Styli basis incrassata, pyramidalis. Stigmata 3.

Yunnan(云南): Gongshan(贡山), Mekong-Salween divisura(澜沧江怒江分水岭), alt. 2300~2500 m, in sylvis prope rivulos, 1940-11-01, K. M. Feng(冯国楣)7251(holotypus, PE).

根状茎木质,粗壮。秆高达100 cm,钝三棱柱形,平滑,基部具褐色的宿存叶鞘。叶与秆近等长,扁平,宽5~7 mm。圆锥花序复出,长约20 cm,间断;支圆锥花序4~6枚,单生,轮廓为长圆形,长4~7 cm,宽2.5~3 cm,疏生,具长梗;序梗稍坚挺,下部的长12~14 cm,无毛;花序轴具短粗毛。苞片叶状,短于花序,具长鞘。小苞片鳞片状,长约2.5~3.5 mm,具长芒,小穗多数,雄雌顺序,雄花部分与雌花部分近等长,圆柱形,长1~2(3) cm,具少数花,稍开展。雌花鳞片长圆形,长3~4 mm,淡褐色,纸质,背部绿色,有3条脉,顶端微凹,具长芒,成熟时脱落。果囊长于鳞片,狭椭圆形,长约5 mm,稍肿胀三棱

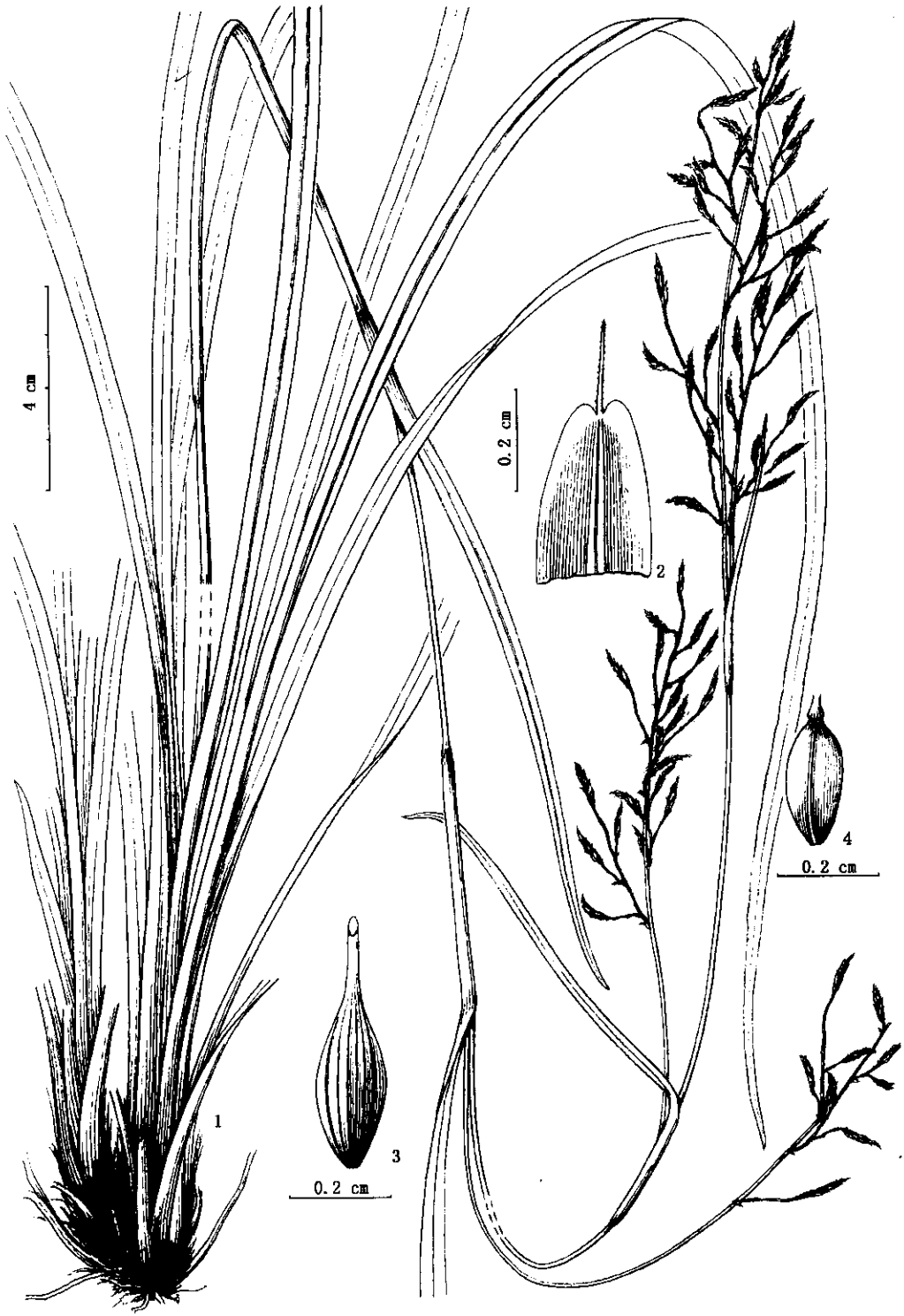

图 3　落鳞苔草　1. 植株；2. 雌花鳞片；3. 果囊；4. 小坚果。（吴彰桦 绘）
Fig. 3　*C. deciduisquama* Wang et Tang　1. Plant; 2. Scale of pistillate flower; 3. Utricle; 4. Nut.

形，成熟时开展，淡黄褐色，无毛，具多数细脉，基部收缩，顶端渐狭成长喙，喙口膜质，斜截形。小坚果狭椭圆状，长约2.5 mm，三棱形。花柱基部增粗，圆锥形。柱头3枚。

本种与草黄苔草 *C. stramentitia* Boott 接近，区别在于后者的鳞片麦秆黄色，不脱落，顶端圆；支花序密生；果囊长圆形或卵状长圆形，长3～3.5 mm。

4 糙叶花葶苔草 新变种

Carex scaposa C. B. Clarke var. **hirsuta** P. C. Li, var. nov. (Sect. Indicae Tuckerm.)

A var. *scaposa* differt foliis subtus dense hispidulis styli basi pyramidali.

Guangdong(广东): Wengyuan(翁源), Longxian(龙仙), prope rivulos, 1935-08-22, X. Q. Liu(刘心祈)24059(holotypus, PE); Xinfeng(新丰), alt. 750 m, in sylvis, 1958-10-07, L. Deng(邓良)7854(PE). **Fujian**(福建): Chongan(崇安), Sangang(三港), in sylvis ad locos humidos declives, P. X. Qiu(裘佩熹)1769(PE).

与原变种的区别在于叶下面密被短粗毛，花柱基部圆锥状。

5 糙毛流苏苔草 新变种

Carex densefimbriata Wang et Tang ex S. Y. Liang var. **hirsuta** P. C. Li, var. nov. (Sect. Indicae Tuckerm.)

A var. *densefimbriata* differt foliis subtus dense hirsutis.

Hunan(湖南): Anjiang(安江), 1952, sine nomine collectoris, no. 337708(holotypus, PE).

与原变种的区别在于叶下面密被短糙毛。

6 扇叶苔草 新种 图4

Carex peliosanthifolia Wang et Tang, in herb., sp. nov. (Sect. Hemiscaposae C. B. Clarke). Fig. 4

Affinis *C. kucyniaki* Raymond, quae paniculis secundariis singulis, spiculis lineari-cylindricis, foliis sterilibus singulis differt.

Rhizoma elongatum, stoloniferum. Culmus lateralis 40～45 cm altus, 2 mm crassus, scapiformis, obtuse triquetrus, sparsim pubescens. Folia sterilia 2～3 fasciculata culmo longiora, anguste elliptica, 20～35 cm longa, 3.8～7 cm lata, plicata, laevia vel infra scabriuscula, nervis 3 prominentibus, nervulis numerosis, basi decurrentia, apice acuminata; petioli validi, sulcati, 11～24 cm longi; folia caulina reducta, spathiformia, viridi-albida, dense brunneo-striolata et punctata, pubescentia. Inflorescentia paniculata interrupta, racemis 12～15, binatis vel ternatis, longe exserte pedunculatis; pedunculi pergraciles, 2～10 cm longi, dense pubescentes. Bracteae omnes vaginiformes, pubescentes; bracteolae squamiformes, ovato-oblongae, 3.5 mm longae, dense pubescentes. Spiculae 1～3, androgynae (pars ♂ longior quam ♀), oblongae, 5～10 mm longae. Squamae ♀ ovato-lanceolatae, 3 mm longae, membranaceae, flavo-albidae, dense brunneo-striolatae et punctatae, dorso virides, trinerviae, apice acuminatae. Utriculi patentes, elliptici, 3～3.2 mm longi, trigoni, flavo-albidi, dense brunneo-striolati et punctati, plurinervii, glabri, apice in rostrum longum re-

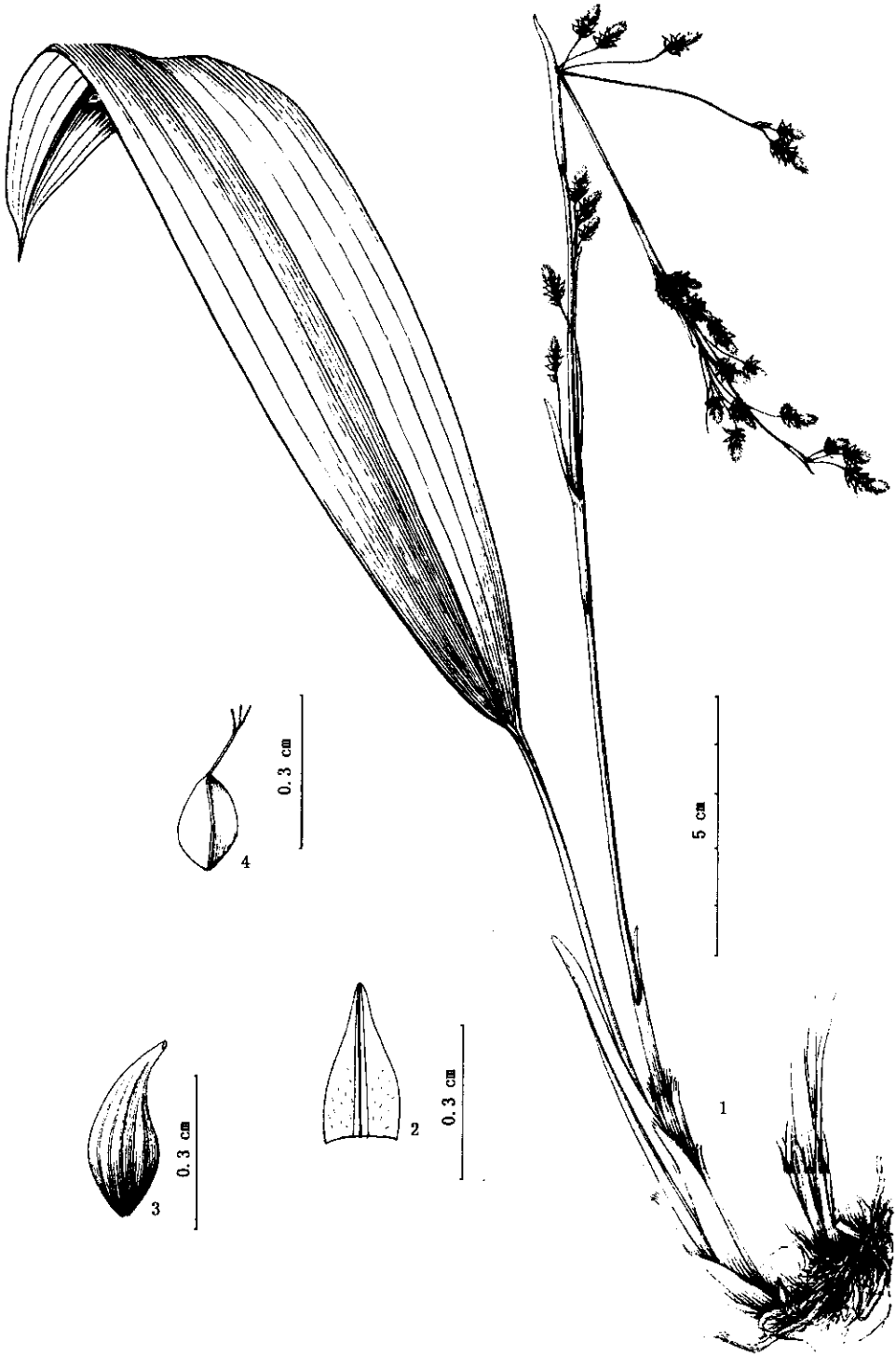

图 4　扇叶苔草　1. 植株；2. 雌花鳞片；3. 果囊；4. 小坚果。（吴彰桦 绘）
Fig. 4　*C. peliosanthifolia* Wang et Tang　1. Plant; 2. Scale of pistillate flower; 3. Utricle; 4. Nut.

curvum ore oblique sectum sensim abeuntes. Nux elliptica, 1.5～2 mm longa, trigona, brunnea. Stylus recurvus, basi vix incrassatus. Stigmata 3.

Guangxi(广西): Xiangzhou(象州), Shangguchen(上古陈), prope rivulos, 1936-07-18, Z. Huang(黄志)39405(holotypus, PE); sine loco accurato, sine nomine collectoris, 21594(PE).

根状茎长而匍匐。秆侧生,长40～45 cm,粗约2 mm,花葶状,钝三棱状,疏被短柔毛。不育叶2～3枚丛生,长于秆,狭椭圆形,长25～35 cm,宽3.8～7 cm,具折,平滑或下面粗糙;具3条明显的脉及多数细脉,基部下延,顶端渐尖;叶柄粗壮,有沟,长11～24 cm;秆生叶退化,佛焰苞状,绿白色,密生褐色的条纹和小点,被短柔毛。圆锥花序间断,有总状花序12～15枚,总状花序双生或三出,具长梗;序梗甚纤细,长2～10 cm,密被短柔毛。苞片全部为鞘状,被短柔毛;小苞片鳞片状,卵状长圆形,长3.5 mm,密被短柔毛。小穗1～3枚,雄雌顺序(雄花部分长于雌花部分),长圆形,长5～10 mm。雌花鳞片卵形披针形,长约3 mm,膜质,黄白色,密生褐色的条纹和小点,背部绿色,有3条脉,顶端渐尖。果囊开展,椭圆形,长3～3.2 mm,三棱形,黄白色,密生褐色的条纹和小点,具多数细脉,无毛,顶端渐狭成外弯的长喙,喙口斜裂。小坚果椭圆形,长1.5～2 mm,三棱形,褐色。花柱外弯,基部几不增粗。柱头3枚。

本种与棕叶苔草 *C. kucyniakii* Raymond 接近,区别在于后者的支圆锥花序单生;小穗线状圆柱形;不育叶单生。

7 广西苔草 新种 图5

Carex kwangsiensis Wang et Tang, in herb., sp. nov. (Sect. Surculosae Raymond). Fig. 5

Affinis *C. oligostachyae* Nees ex Hooker, quae foliis glabris, utriculis ellipticis vel oblongis glabris differt.

Rhizoma lignosum, stoloniferum. Culmus lateralis, 30～50 cm altus, 1.5 mm crassus, obtuse triqueter, scapiformis. Folia sterilia 5～7 fasciculata culmo longiora, plana, 5～7 mm lata, infra dense pubescentia; folia caulina ad vaginas brunneas ampliatas reducta. Inflorescentia depaniculata interrupta; paniculae secundariae corymbiformes, singulae vel binatae, 2～3 cm longae, 2～2.5 cm latae; pedunculi graciles, 5～10 cm longi, puberuli; rhachis hispida. Bracteae omnes vaginiformes, brunneae, apice breviter laminatae; bracteolae squamiformes lanceolatae, 4～10 mm longae, pallide brunneae puberulae. Spiculae cylindricae, 7～18 mm longae androgynae (pars ♂ ei ♀ subaequilonga) 7～18 mm longae. Squamae ♀ oblongo-lanceolatae, 2.2～2.5 mm longae, brunneae, dorso virides, costatae, puberulae, apice obtusae. Utriculi patentes, ovato-rhombiformes, 2.5～3 mm longi, subinflato-trigoni, brunnei, dense brunneo-rubro-verrucosi, plurinervii, apice in rostrum longum recurvum ore oblique sectum contracti. Nux ovato-rhombiformis, 1.8 mm longa, trigona, brunnea. Styli basis incrassata. Stigmata 3.

Guangxi(广西): Rongshui(融水), Damiaoshan(大苗山), ad locos umbrosos in fruticibus rupium declivis in valle, 1955-04-28, S. Q. Chen(陈少卿)8802(holotypus, PE).

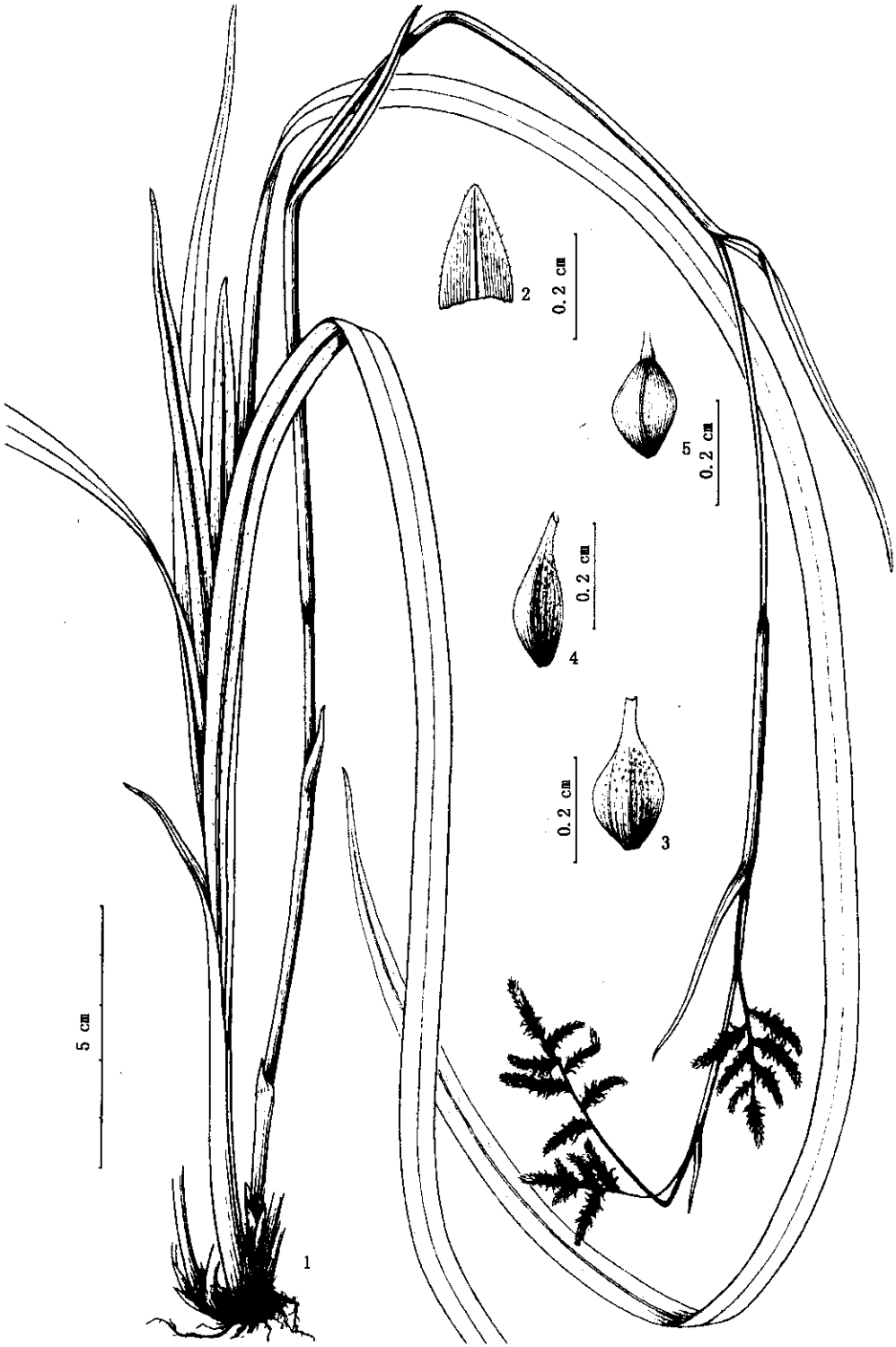

图 5　广西苔草　1. 植株；2. 雌花鳞片；3. 果囊；4. 果囊侧面观；5. 小坚果。（吴彰桦 绘）
Fig. 5　*C. kwangsiensis* Wang et Tang　1. Plant; 2. Scale of pistillate flower; 3. Utricle; 4. Utricle in lateral view; 5. Nut.

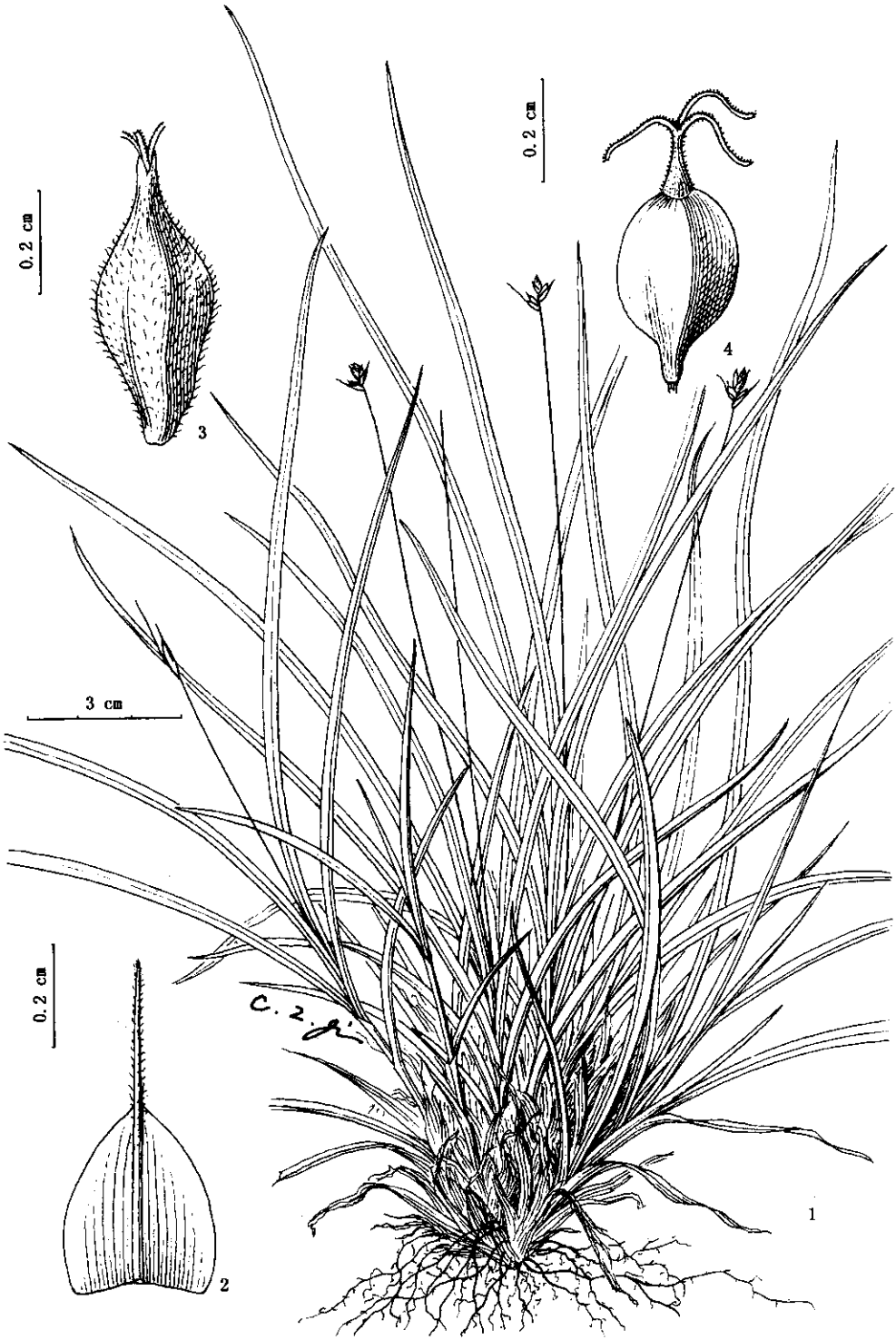

图6 桂龄苔草 1. 植株；2. 雌花鳞片；3. 果囊；4. 小坚果。(冀朝祯 绘)
Fig. 6 *C. chuiana* Wang et Tang 1. Plant; 2. Scale of pistillate flower; 3. Utricle; 4. Nut.

根状茎木质，匍匐。秆侧生，高 30～50 cm，粗约 1.5 mm，钝三棱形，花葶状。不育叶 5～7 枚，丛生，长于秆，扁平，宽 5～7 mm，下面密被短柔毛；秆生叶退化为褐色的鞘状。圆锥花序复出，间断；支花序伞房花序状，单生或双生，长 2～3 cm，宽 2～2.5 cm；序梗纤细，长 5～10 cm，被微柔毛；序轴被短粗毛。苞片鞘状，褐色，顶端具短苞叶；小苞片鳞片状，披针形，长 4～10 cm，淡褐色，被微柔毛。小穗圆柱形，长 7～18 mm，雄雌顺序（雄花部分与雌花部分近等长）。雌花鳞片长圆状披针形，长 2.2～2.5 mm，褐色，背部绿色，具中脉，被微柔毛，顶端钝。果囊开展，卵状菱形，长 2.5～3 mm，稍肿胀三棱形，褐色，密被褐红色的颗粒状突起，有多数脉，顶端收缩成外弯的长喙，喙口斜裂。小坚果卵状菱形，长约 1.8 mm，三棱形，褐色。花柱基部增粗。柱头三枚。

本种与少穗苔草 *C. oligostachya* Nees ex Hooker 接近，区别在于后者的叶无毛；果囊椭圆形或长圆形，无毛。

8　桂龄苔草　新种　图 6

Carex chuiana Wang et Tang, in herb., sp. nov. (Sect. Radicales (Kükenth.) Nelmes)——*Carex radicalis* auct. non. Boott: P. C. Li in Vas. Pl. Hengduan Mount. 2: 2376. 1994. Fig. 6

Affinis *C. radicali* Boott, quae partibus ♂ spicularum conspicuis, squamis ♀ brunneis apice acutis, utriculis brunneis 3.5 mm longis, basibus stylorum glabris differt.

Rhizoma caespitosum. Culmus 10～20 cm altus, gracilis, circum 1 mm crassus, triqueter, basi vaginis vetustis fuscis obtectus. Folia culmo longiora, plana, 2～3 mm lata, glabra. Bracteae foliaceae inflorescentia longiores, vaginatae. Spiculae 1 interdum 2, ima basalis, androgynae, ambitu ovato-globosae, 5～8 mm longae, 4～6 mm latae; pars ♂ inconspicua, oblonga, pauciflora; pars ♀ 3～4-flora. Squamae ♀ late ovatae, 1.8～3 mm longae, membranaceae, viridulae, 1-nerviae, apice acutae, longe aristatae. Utriculi longiores quam squamae, patentes, obovato-elliptici, 4～6 mm longi, turgido-trigoni, virides, dense hispiduli, plurinervii, nervis 2 lateralibus prominentibus percursi, basi cuneati, apice in rostrum breve ore bidentulum abrupte contracti. Nux ovato-rotundata, 2.2～2.8 mm longa, trigona, luteo-viridis, basi longe stipitata. Rhacheolae rudimentum setiforme interdum adest. Styli basis valde incrassata, pyramidalis, minute et parce pubescens. Stigmata 3.

Sichuan(四川): Taining(太宁), in pratis declivibus, 1940-08-03, K. L. Chu(曲桂龄)7490(holotypus, PE).

根状茎丛生。秆高 10～20 cm，纤细，粗约 1 mm，三棱柱形，基部具暗褐色的宿存叶鞘。叶长于秆，扁平，宽 2～3 mm，无毛。苞片叶状，长于花序，具鞘。小穗 1 枚，偶有 2 枚，下部的 1 枚基生，雄雌顺序，轮廓为卵状球形，长 5～8 mm，宽 4～6 mm；雄花部分不明显，长圆形，具少数花；雌花部分有 3～4 朵花，雌花鳞片宽卵形，长 1.8～3 mm，膜质，绿色，具 1 条脉，顶端急尖，有长芒。果囊长于鳞片，开展，倒卵状椭圆形，长 4～6 mm，肿胀三棱形，绿色，密被短粗毛，具多数脉，2 侧脉明显，基部楔形，顶端骤缩呈短喙，喙口具 2 小齿。小坚果卵状圆形，长 2.2～2.8 mm，三棱形，黄绿色，基部具长柄。退化小穗轴有时存在，刚毛状。花柱基部增粗呈圆锥状，疏被细柔毛。柱头 3 枚。

本种与根穗苔草 *C. radicalis* Boott 接近,后者小穗的雄花部分显著,雌花鳞片褐色,顶端急尖,果囊褐色,长 3.5 mm,花柱基部无毛与本种区别。

9 凤凰山苔草 新种 图7

Carex funhuangshanica Wang et Tang, in herb., sp. nov. (Sect. Radicales (Kükenth.) Nelmes). Fig.7

Affinis *C. speciosae* Kunth, quae foliis latioribus(4～10 mm latis), utriculis oblongis viridibus, nucibus superne laxe pubescentibus, stylorum basibus laete incrassatis differt.

Rhizoma dense caespitosum. Culmus 23～26 cm altus, pergracilis, 0.5 mm crassus, triqueter, basi vaginis vetustis atro-brunneis obtectus. Folia culmo longiora, plana, 2～4 mm lata, rigida, margine aspera. Bracteae foliaceae inflorescentiam multo superantes, longe vaginantes. Spiculae 2, androgynae(pars ♂ brevior quam ea ♀), oblongae, 1～1.4 cm longae, 3～4 mm crassae, pauci- et densiflorae, ima basalis longe pedunculata. Squamae ♀ ovatae vel late ovatae, 2.5～3 mm longae, subcoriaceae, pallide flavo-brunneae, dorso virides, 1-nerviae, margine albo-hyalinae, apice acutae. Utriculi ovati vel obovati, 4～4.5 mm longi, trigoni, pallide flavo-brunnei, subcoriacei, multinervii, nervis 2 lateralibus prominentibus percursi, basi subsessiles, apice in rostrum breve ore bidentatum contracti. Nux ovata vel obovata, 3～3.5 mm longa, trigona, glabra, pallide flavo-brunnea, basi in stipitem brevem abrupte contracta. Styli basis incrassata. Stigmata 3.

Guangxi(广西): Gechang(歌昌), Fenghuangshan(凤凰山), alt. 2000 m, in laxis sylvis declivibus, 1955-06-07, Exped. Kwangsi(广西队)475(holotypus, PE).

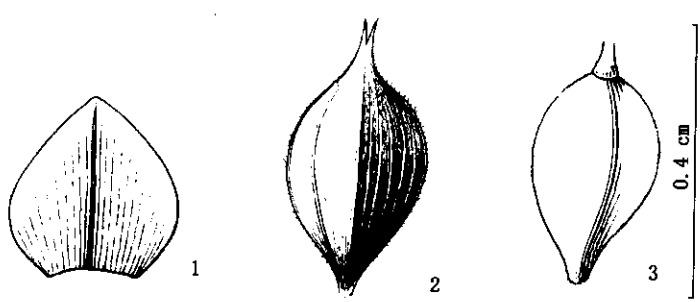

图7 凤凰山苔草 1. 雌花鳞片; 2. 果囊; 3. 小坚果。(吴彰桦 绘)
Fig.7 *C. funhuangshanica* Wang et Tang 1. Scale of pistillate flower; 2. Utricle; 3. Nut.

根状茎密丛生。秆高 23～26 cm,甚纤细,粗约 0.5 mm,三棱柱形,基部具暗褐色的宿存叶鞘。叶长于秆,扁平,宽 2～4 mm,坚挺,边缘粗糙。苞片叶状,甚长于花序,具长鞘。小穗 2 枚,雄雌顺序,雄花部分短于雌花部分,长圆形,长 1～1.4 cm,粗约 3～4 mm,具少数密生的花,最下部的 1 枚基生,具长梗。雌花鳞片卵形或宽卵形,长 2.5～3 mm,近革质,淡黄褐色,背部绿色,具 1 脉,边缘白色膜质,顶端急尖。果囊卵形或倒卵形,长 4～4.5 mm,三棱形,淡黄褐色,近革质,具多数细脉,两侧脉明显,基部近无柄。顶端收缩成具 2 小齿的短喙。小坚果卵形或倒卵形,长 3～3.5 mm,三棱形,无毛,淡黄褐色,基部骤

缩成短柄，。花柱基部增粗。柱头 3 枚。

本种与美丽苔草 *C. speciosa* Kunth 接近，后者叶较宽（宽达 4～10 mm），果囊长圆形，绿色，小坚果上部疏被短柔毛，花柱基部稍增粗与本种区别。

10　希陶苔草　新种　图 8

Carex tsaiana Wang et Tang, in herb., sp. nov. (Sect. Radicales (Kükenth.) Nelmes). Fig. 8

Affinis *C. delavayi* Boott, quae foliis planis 3～5 mm latis, nucibus laevibus differt.

Rhizoma dense caespitosum. Culmus 13～16 cm altus, pergracilis, filiformis, basi vaginis vetustis atro-brunneis obtectus. Folia culmo breviora, filiformia convoluta. Bracteae foliaceae inflorescentiis breviores, longe vaginantes. Spicula singularis terminalis, androgyna (pars ♂ subbrevior quam ea ♀), cylindrica, 1～1.5 cm longa, 2～3 mm crassa, pauciflora. Squamae ♀ ovatae vel ovato-oblongae, 2.8～3.2 mm longae, subcoriaceae, chloro-leucae, dorso virides 1-nerviae, margine brunneolo-hyalinae, apice acutae. Utriculi obovati, 4～4.2 mm longi, viriduli, subcoriacei, multinervii, nervis 2 lateralibus prominentibus percursi, basi in stipitem angustum alatum atenuati, margine ciliati, apice in rostrum breve ore bidentatum abrupte contracti. Nux obovato-oblonga, 2.5～3.5 mm longa, trigona, demum brunnea, verruculosa. Styli basis incrassata, pyramidalis. Stigmata 3.

Yunnan（云南）: Pingbian（屏边）, alt. 1500 m, in sylvis, 1934-07-18, H. T. Hsia（蔡希陶）60957（holotypus, PE）.

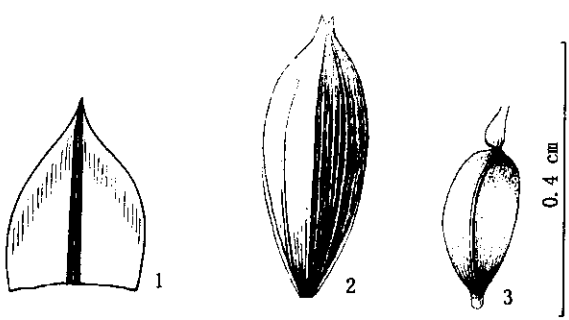

图 8　希陶苔草　1. 雌花鳞片；2. 果囊；3. 小坚果。（吴彰桦 绘）
Fig. 8　*C. tsaiana* Wang et Tang　1. Scale of pistillate flower; 2. Utricle; 3. Nut.

根状茎密丛生。秆高 13～15 cm，甚纤细，丝状，基部具暗褐色的宿存叶鞘。叶短于秆，丝状，内卷。苞片叶状，短于花序，具长鞘。小穗单一，顶生，雄雌顺序，雄花部分短于雌花部分，圆柱形，长 1～1.5 cm，粗 2～3 mm，具少数花。雌花鳞片卵形或卵状长圆形，长 2.8～3.2 mm，近革质，淡绿白色，背部绿色，具 1 脉，边缘淡褐色膜质，顶端急尖。果囊倒卵形，长 4～4.2 mm，淡绿色，近革质，具多数细脉，2 侧脉明显，基部渐狭成短柄，有狭翅，边缘具纤毛，顶端急缩成具 2 小齿的短喙。小坚果倒卵状长圆形，长 2.5～3 mm，三棱形，成熟时褐色，有颗粒状突起。花柱基部增粗呈圆锥状。柱头 3 枚。

本种与年佳苔草 *C. delavayi* Boott 接近,后者叶扁平,宽 3~5 mm,小坚果光滑与本种区别。

11 尾穗苔草 新种 图 9

Carex caudispicata Wang et Tang, in herb., sp. nov. (Sect. Radicales (Kükenth.) Nelmes). Fig. 9

Affinis *C. funhuangshanicae* Wang et Tang, quae spiculis oblongis 1 ~ 1.4 cm longis 3~4 mm crassis, squamis et utriculis pallide flavo-brunneis, utriculis glabris differt.

Rhizoma laxe caespitosum. Culmus 10~30 cm altus, 1~1.5 mm crassus, triqueter, laevis, rigidus, basi vaginis vetustis fuscis obtectus. Folia culmo longiora vel subbreviora, plana, 4~5 mm lata, utrinque aspera, rigida. Bracteae lineares inflorescentiis subaequilongae, longe vaginantes. Spiculae 1~2(3), androgynae(pars ♂ subbrevior quam ea ♀), cylindricae, 2~3 cm longae, 5 mm crassae, multi- et densiflorae, ima e medio culmi orta, exserte longe pedunculata, erecta. Squamae ♀ ovatae vel late ovatae, 4~4.5 mm longae, subcoriaceae, viridi-albidae, 1-nerviae, margine anguste hyalinae, apice acutae. Utriculi squamas superantes, ovati, 5~5.5 mm longi, complano-trigoni, subcoriacei, virides, parce pubescentes, demum glabri, multinervii, nervis 2 lateralibus prominentibus, basi attenuati, subsessiles, apice in rostrum breve ore bidentatum abrupte contracti. Nux ovata vel obovata, 3~3.5 mm longa, complano-trigona, demum brunnea, breve stipitata. Styli basis incrassata, trigono-pyramidalis. Stigmata 3.

Yunnan(云南): Yanshan(砚山), alt. 1200 m, in sylvis convallis, C. W. Wang(王启无)84318(holotypus, PE); Kunming(昆明), Xishan(西山), alt. 2200~2300 m, in pratis aridis declivibus, 1953-08-27, B. Y. Qiu(邱炳云)50194(PE, KUN).

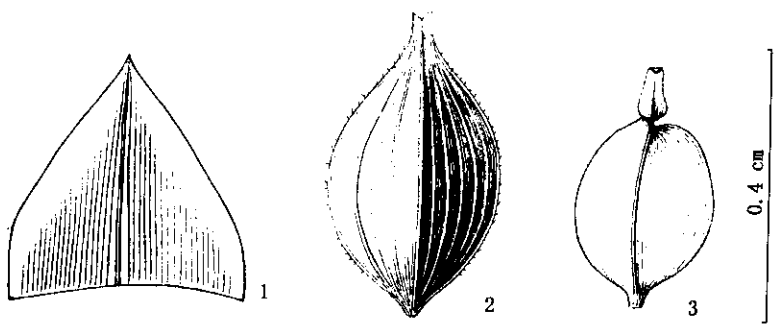

图 9 尾穗苔草 1. 雌花鳞片; 2. 果囊; 3. 小坚果。(吴彰桦 绘)
Fig. 9 *C. caudispicata* Wang et Tang 1. Scale of pistillate flower; 2. Utricle; 3. Nut.

根状茎疏丛生。秆高 10~30 cm,粗 1~1.5 mm,三棱柱形,光滑,坚挺,基部具暗褐色的宿存叶鞘。叶长于或稍短于秆,扁平,宽 4~5 mm,两面粗糙,坚挺。苞片线形,与花序近等长,具长鞘。小穗 1~2 枚,少有 3 枚,雄雌顺序,雄花部分稍短于雌花部分,圆柱形,长 2~3 cm,粗约 5 mm,具多数密生的花,下部的 1 枚自秆的中部生出,具长而伸出和

直立的穗梗。雌花鳞片卵形或宽卵形，长 4～4.5 mm，近革质，绿白色，具 1 脉，有狭的膜质边缘，顶端急尖。果囊长于鳞片，卵形，长 5～5.5 mm，扁三棱形，近革质，绿色，疏被短柔毛，后变无毛，具多数细脉，2 侧脉明显，基部渐狭，近无柄，顶端骤缩成具 2 小齿的短喙。小坚果卵形或倒卵形，长 3～3.5 mm，扁三棱形，成熟时褐色，具短柄。花柱基部增粗呈三棱状圆锥形。柱头 3 枚。

本种与凤凰山苔草 *C. funhuangshanica* Wang et Tang 接近，区别在于后者的小穗长圆形，长 1～1.4 cm，粗 3～4 mm；鳞片与果囊均为淡黄褐色，果囊无毛。

12　安宁苔草　新种　图 10

Carex anningensis Wang et Tang, in herb., sp. nov. (Sect. Radicales (Kükenth.) Nelmes). Fig. 10

Affinis *C. chlorocephalulae* Wang et Tang ex P. C. Li, quae plantae partibus omnibus hispidulis, foliis planis 1～3 mm latis, squamis ♀ et utriculis verrucosis, stylis perincrassatis globosis differt.

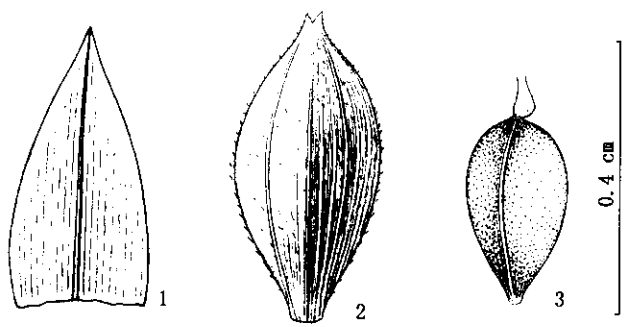

图 10　安宁苔草　1. 雌花鳞片；2. 果囊；3. 小坚果。(吴彰桦 绘)
Fig. 10　*C. anningensis* Wang et Tang　1. Scale of pistillate flower; 2. Utricle; 3. Nut.

Rhizoma laxe caespitosum. Culmus 25～30 cm altus, gracilis, triqueter, 1 mm crassus, glaber, basi vaginis vetustis fuscis obtectus. Folia culmum superantia, filiformia, convoluta, 1 mm lata, rigida. Bracteae foliaceae inflorescentiam superantes, longe vaginantes. Spiculae 2～3, androgynae (pars ⚥ duplo brevior ea ♀), cylindricae, 2.5～4 cm longae, 4～5 mm crassae, ima ex infra medio culmi orta, exserte longe pedunculata, reliquae remotae breviter pedunculatae. Squamae ♀ ovato-lanceolatae, 3～3.5 mm longae, subcoriaceae, viridi-albidae, dorso virides costatae, margine anguste albo-hyalinae, apice attenuatae. Utriculi squamis longiores, elliptici vel oblongi, subcoriacei, parce pubescentes, multinervii, nervis 2 lateralibus prominentibus, margine ciliati et anguste alati, basi spongiosi contracti, apice in rostrum breve ore bidentatum abrupte desinentes. Nux ovata vel elliptica, 2.8～3 mm longa, trigona, demum fusca, verrucosa. Styli basis pyramidalis laxe pubescens. Stigmata 3.

Yunnan(云南): Anning(安宁), 1940-11-01, T. N. Liu(刘慎谔)017217(holotypus, PE).

根状茎疏丛生。秆高 25～30 cm，纤细，粗约 1 mm，三棱柱形，无毛，基部具暗褐色的

宿存叶鞘。叶长于秆,丝状,内卷,宽约1 mm,坚挺。苞片叶状,长于花序,具长鞘。小穗2~3枚,雄雌顺序,雄花部分长为雌花部分的1/2,圆柱形,长2.5~4 cm,粗4~5 mm,最下部的1枚自秆的中部以下生出,具长穗梗,其余的疏远,具短梗。雌花鳞片卵状披针形,长3~3.5 mm,近革质,绿白色,背部绿色,具中脉,具狭的白色膜质边缘,顶端渐尖。果囊长于鳞片,椭圆形或长圆形,近革质,疏被短柔毛,具多数细脉,2侧脉明显,边缘有纤毛并具狭翅,基部收缩,具海绵组织,顶端骤缩成短喙,喙口具2小齿。小坚果卵形或椭圆形,长2.8~3 mm,三棱形,成熟时褐色,具颗粒状突起。花柱基部圆锥形,疏被短柔毛。柱头3枚。

本种与绿头苔草 *C. chlorocephalula* Wang et Tang ex P. C. Li 接近,区别在于后者全体被短粗毛,叶扁平,宽1~3 mm,雌花鳞片与果囊有颗粒状突起,花柱基部膨大呈球状。

13 假矮苔草 新种 图11

Carex pseudohumilis Wang et Y. L. Chang, in herb., sp. nov. (Sect. Digitatae Fries). Fig. 11

Affinis *C. humili* Leyss., quae squamis ♀ ovatis 4 mm longis margine late albo-hyalinis, apice acutis, utriculis obovato-oblongis, 3~3.2 mm longis, foliis apice haud curvulis differt.

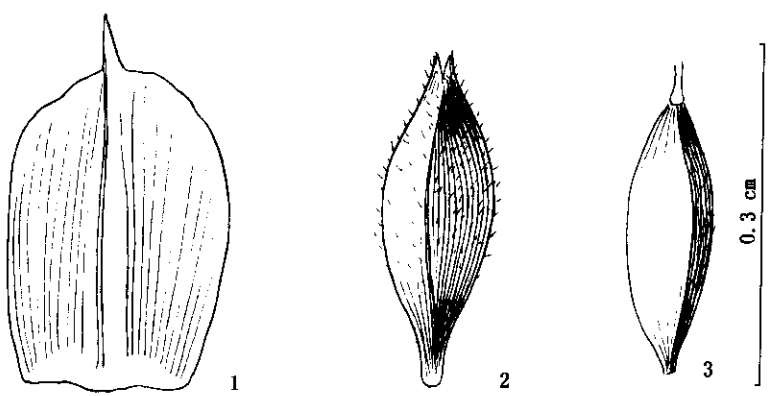

图11 假矮苔草 1. 雌花鳞片; 2. 果囊; 3. 小坚果。(吴彰桦 绘)
Fig. 11 *C. pseudohumilis* Wang et Y. L. Chang 1. Scale of pistillate flower; 2. Utricle; 3. Nut.

Rhizoma dense caespitosum. Culmus numerosus, 3~5 cm altus, debilis, capilliformis, triqueter, basi vaginis vetustis atro-brunneis dense obtectus. Folia culmum subsuperantia vel huic subaequlonga, plana, 1.2~2 mm lata, subrigida, superne et margine scabra, apice triquetra, curvula. Bracteae spathaceae, brunneae, apice breviter setiformes. Spiculae 2~3, ima subradicalis, reliquae remotae, terminales ♂ obvato-oblongae 7~7.5 mm longae, laterales 1~2 ♀, oblongae, 7~8 mm longae, 3 mm crassae, plerumque 4~6-florae; pedunculi capilliformes, imus 2.5~2.7 cm longus, reliqui abbreviati 8~10 mm longi. Squamae ♀ oblongae, circa 3 mm longae, brunneae, papyraceae, dorso virides costatae, apice rotundatae breviter aristatae. Utriculi anguste elliptici, circa 3 mm longi flavo-virides, dense

pubescentes, nervis 2 lateralibus prominentibus percursi, enervulosi, basi in stipitem attenuati, apice in rostrum breve ore bidentatum subsensim constracti. Nux anguste elliptica, 2.2～2.5 mm longa, trigona, demum flavo-brunnea. Styli basis subincrassata. Stigmata 3.

Yunnan(云南): Lijiang(丽江), alt. 3000 m, in convalle, 1935-07, C. W. Wang(王启无)70855(holotypus, PE).

根状茎密丛生。秆多数,高 3～5 cm,柔软,呈丝状,三棱柱形,基部具密的暗褐色宿存叶鞘。叶长于秆或与之近等长,扁平,宽 1.2～2 mm,稍坚挺,上面及边缘粗糙,顶端呈三棱形,卷曲。苞片佛焰苞状,褐色,顶端呈短刚毛状。小穗 2～3 枚,最下部的 1 枚近根生,其余的疏远,顶生的雄性,倒卵状长圆形,长 7～7.5 mm,侧生的 1～2 枚雌性,长圆形,长 7～8 mm,粗约 3 mm,通常有 4～6 朵花;穗梗丝状,最下部的 1 枚长 2.5～2.7 cm,其余的短缩,长仅 8～10 mm。雌花鳞片长圆形,长约 3 mm,褐色,纸质,背部绿色,具中脉,顶端圆,具短芒。果囊狭椭圆形,长约 3 mm,黄绿色,密被短柔毛,2 侧脉显著,无细脉,基部渐狭成短柄,顶端渐渐收缩成口部具 2 小齿的短喙。小坚果狭椭圆形,长 2.2～2.5 mm,三棱形,成熟后黄褐色。花柱基部稍增粗。柱头 3 枚。

本种与低矮苔草 *C. humilis* Leyss. 接近,区别在于后者的雌花鳞片卵形,长约 4 mm,具宽的白色膜质边缘,顶端急尖;果囊倒卵状长圆形,长 3～3.2 mm;叶顶端不卷曲。

14　西畴苔草　新种　图 12

Carex sichouensis P. C. Li, sp. nov. (Sect. Digitatae Fries). Fig. 12

Affinis *C. meihsiensi* K. T. Fu, quae foliis culmo longioribus inferne scabriusculis, squamis ♀ apice acuminatis, culmis 30～50 cm altis differt.

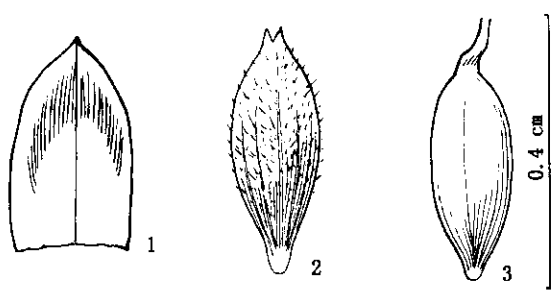

图 12　西畴苔草　1. 雌花鳞片; 2. 果囊; 3. 小坚果。(吴彰桦 绘)
Fig. 12　*C. sichouensis* P. C. Li　1. Scale of pistillate flower; 2. Utricle; 3. Nut.

Rhizoma dense caespitosum, lignosum, elongatum. Culmus 40～100 cm altus, 1.5～2 mm crassus, obtuse triqueter. Folia culmo subbreviora, plana, 4～5 mm lata, rigida, subtus glauca papillosa. Bracteae spathaceae, virides vel brunneae, apice breviter setiformes. Spiculae 4～5, valde remotae, terminalis ⚥ cylindrica, 4～5 cm longa, longe pedunculata; sequentes 3～4 ♀, lineari-cylindricae, 2～2.5 cm longae, 3 mm crassae, pluri- et densiflorae; pedunculi pergraciles, longe exserti. Squamae ♀ oblongae, circa 3 mm longae, flavo-virides, membranaceae, superne brunneo-punctulatae, apice rotundatae mucronatae. Utriculi

oblongi, 3 mm longi, obtuse trigoni, chartacei, brunneoli, multinervii, basi in stipitem brevem attenuati, apice in rostrum breve emarginatum subito contracti. Nux oblonga, 2 mm longa, trigona. Styli basis incrassata, subconvexa. Stigmata 3.

Yunnan(云南): Xichou(Sichou 西畴), alt. 1700 m, in fissuris rupium calcarearum in declivitatibus, 1964-06-03, S. Z. Wang(王守正)687(holotypus, KUN); Funing(富宁), alt. 700 m, in sylvis densis, C. W. Wang(王启无)88308(PE, KUN).

根状茎密丛生,木质,或延伸。秆高 40～100 cm,粗 1.5～2 mm,钝三棱柱形。叶稍短于秆,扁平,宽 4～5 mm,坚挺,下面灰绿色,有密的乳头状突起。苞片佛焰苞状,绿色或褐色,顶端为短的刚毛状。小穗 4～5 枚,甚疏远,顶端的雄性,圆柱形,长 4～5 cm,具长梗;其余的 3～4 枚雌性,线状圆柱形,长 2～2.5 cm,粗约 3 mm,具多数密生的花;穗梗甚纤细,伸出苞鞘之外。雌花鳞片长圆形,长约 3 mm,黄绿色,膜质,上部有褐色小点,顶端圆,有突尖。果囊长圆形,长约 3 mm,钝三棱形,纸质,褐色,具多数细脉,基部渐狭成短柄,顶端骤缩成微凹的短喙。小坚果长圆形,长约 2 mm,三棱形。花柱基部增粗,微弯。柱头 3 枚。

本种与眉县苔草 *C. meihsiensis* K. T. Fu 接近,区别在于后者的叶长于秆,下面粗糙;雌花鳞片顶端渐尖;秆高 30～50 cm。

15 陕西苔草 新种 图 13

Carex shaanxiensis Wang et Tang, in herb., sp. nov. (Sect. Digitatae Fries). Fig. 13

Affinis *C. filamentosae* K. T. Fu, quae spiculis basi haud ramosis, squamis ♀ purpureo-brunneis, rostris et stipitibus utriculorum inconspicuis differt.

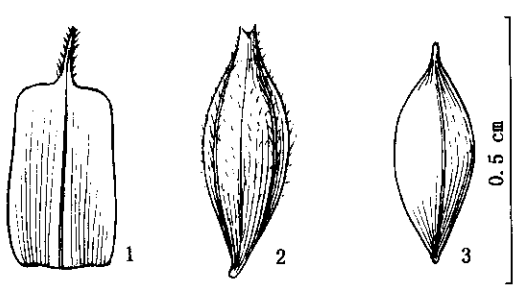

图 13 陕西苔草 1. 雌花鳞片; 2. 果囊; 3. 小坚果。(吴彰桦 绘)
Fig. 13 *C. shaanxiensis* Wang et Tang 1. Scale of pistillate flower; 2. Utricle; 3. Nut.

Rhizoma dense caespitosum. Culmus 30～35 cm altus, pergracilis, debilis, ad basin vaginis vetustis brunneolis obtectus. Folia culmo breviora, plana, 1～2 mm lata. Bracteae spathaceae, viridulae, apice breviter laminatae. Spiculae 3～4, terminalis ⚥, cylindrata, 1.4～1.6 cm longa, basi interdum flores 1～3 ♀ portans; reliquae ♀ (apice plerumque floribus paucis instructae ⚥), ima remota vel subradicalis, lineari-cylindrata, 1.7～3 cm longa, 2 mm crassa, basi interdum ramulis 1～3 ex utriculis ramealibus fertilibus entatis; pedunculi capilliformes, longe exserti. Squamae ♀ oblongae, 2 mm longae, pallide brunneae,

dorso virides, trinerviae, margine albo-hyalinae, apice truncatae vel emarginatae mucronatae. Utriculi squamis subaequilongi, anguste elliptici, trigoni, viriduli, dense pubescentes, nervis 2 lateralibus prominentibus percursi, enervulosi, basi in stipitem brevem attenuati, apice in rostrum breve ore emarginatum sensim contracti. Nux anguste elliptica, 1.8～2 mm longa, trigona, demum brunneae. Styli basis vix incrassata. Stigmata 3.

Shaanxi(陕西): Taibaishan(太白山), in viciniis Pingansi(平安寺), alt. 3200 m, 1938-07-19, T. N. Liou et P. C. Tsoong(刘慎谔,钟补勤)2451(holotypus, PE); 2448 (PE); eodem loco, Fanyangsi(放羊寺), T. N. Liou et P. C. Tsoong 876(PE). **Gansu**(甘肃): Xiahe(夏河), alt. 2800 m, ad locos humidos in convalle fluminis, 1937-07-03, K. T. Fu(傅坤俊)958(PE).

根状茎密丛生。秆高 30～35 cm,甚纤细,柔软,基部有淡褐色的宿存叶鞘。叶短于秆,扁平,宽 1～2 mm。苞片佛焰苞状,淡绿色,顶端具短苞叶。小穗 3～4 枚,顶生的雄性,圆柱形,长 1.4～1.6 cm,基部有时有 1～3 朵雌花,其余的雌性,顶端通常有少数雄花,最下部的 1 枚疏远或近根生,线状圆柱形,长 1.7～3 cm,粗约 2 mm,基部有时有 1～3 枚分枝从囊内具花的枝先出叶中生出;穗梗丝状,伸出鞘外。雌花鳞片长圆形,长约 2 mm,淡褐色,背部绿色,有 3 条脉,具白色的膜质边缘,顶端截形或微凹,有突尖。果囊与鳞片近等长,狭椭圆形,三棱形,淡绿色,密被短柔毛,具明显的 2 侧脉,无细脉,基部渐狭成短柄,,顶端渐收缩成微凹的短喙。小坚果狭椭圆形,长 1.8～2 cm,三棱形,成熟时褐色。花柱基部几不增粗。柱头 3 枚。

本种与丝秆苔草 *C. filamentosa* K. T. Fu 接近,区别在于后者的小穗基部无分枝;雌花鳞片紫褐色;果囊的喙与柄均不明显。

16　德浚苔草　新种　图 14

Carex obovatosquamata Wang et Y. L. Chang, in herb., sp. nov. (Sect. Digitatae Fries). Fig. 14

Affinis *C. chiwuanae* Wang et Tang ex P. C. Li, quae foliis culmo valde brevioribus, 2～4 mm latis rigidis, pedunculis longitudine bracteas duplo vel triplo superantibus, squamis ♂ dorso scabris differt.

Rhizoma dense caespitosum. Culmus 20 ～ 30 cm altus, gracilis, 1 mm crassus, trigonus, laevis, ad basin vaginis vetustis fuscis obtectus. Folia culmum subaequantia, plana, 1.3～2.2 mm lata, debilia, superne complicata. Bracteae spathaceae longe vaginatae, apice lineari-laminatae. Spiculae 3～4, remotae, ima subradicalis, terminalis ♂, cylindrica, 1.5～2.5 cm longa, reliquae ♀, cylindricae, 2～3 cm longae, 3.5～4 mm crassae, pluri- et densiflorae; pedunculi capilliformes, debiles, longe exserti. Squamae ♀ obovate-oblongae vel oblongae, 3. 5 ～ 4. 8 mm longae, chartaceae, atropurpureo-brunneae, dorso virides trinerviae, apice anguste albo-hyalinae subrotundatae mucronatae. Utriculi squamas subsuperantes, obovato-oblongi, 4.2～5 mm longi, obtuse trigoni, virides, enervosi, basi in stipitem brevem attenuati, apice in rostrum breve ore bidentatum subito contracti. Nux obovato-oblonga, 2.5～3.5 mm longa, trigona, demum brunnea, basi breviter stipitata. Styli basis

incrassata, Stigmata 3.

Yunnan(云南): Deqen(德钦), Baimashan(白马山), alt. 4100 m, in rupibus declivibus, 1937-07-25, T. T. Yu(俞德浚)9162(holotypus, PE). **Xizang**(西藏): Zuogong(左贡), Laidu-Meili Nicis Jugum(来都至梅里雪山), alt. 4300 m, in fruticibus rupium declivis, 1982-10-08, Exped. Qinghai-Xizang(青藏队)82-11042(PE, KUN).

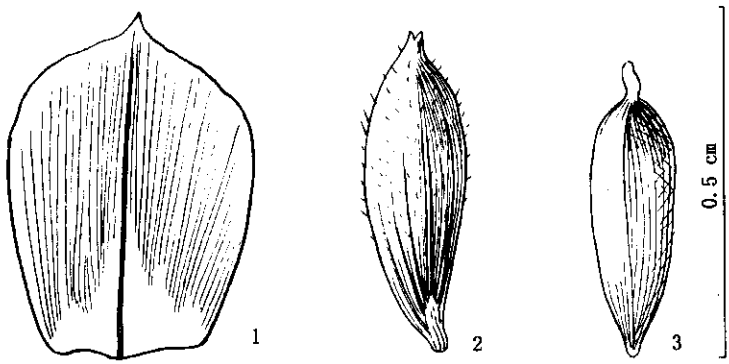

图 14 德浚苔草 1. 雌花鳞片; 2. 果囊; 3. 小坚果。(吴彰桦 绘)
Fig. 14 *C. obovatosquamata* Wang et Y. L. Chang 1. Scale of pistillate flower; 2. Utricle; 3. Nut.

根状茎密丛生。秆高 20~30 cm,纤细,粗约 1 mm,三棱柱形,平滑,基部具暗褐色的宿存叶鞘。叶与秆近等长,扁平,宽 1.3~2.2 mm。柔软,上部对折。苞片佛焰苞状,具长鞘,顶端具线形的苞叶。小穗 3~4 枚,疏远,最下部的 1 枚近根生,顶生的雄性,圆柱形,长 1.5~2.5 cm,其余的雌性,长 2~3 cm,粗 3.5~4 mm,具多数密生的花;穗梗丝状,柔软,很长的伸出苞鞘之外。雌花鳞片倒卵状长圆形或长圆形,,长 3.5~4.8 mm,纸质,暗紫褐色,背部绿色,有 3 条脉,顶端为狭的白色膜质,近圆形,有突尖。果囊稍长于鳞片,倒卵状长圆形,长 4.2~5 mm,钝三棱形,绿色,无脉,基部渐狭成短柄,,顶端骤缩成口部具 2 小齿的短喙。小坚果倒卵状长圆形,长 2.5~3.5 mm,三棱形,成熟时褐色,基部具短柄。花柱基部增粗。柱头 3 枚。

本种与启无苔草 *C. chiwuana* Wang et Tang ex P. C. Li 接近,区别在于后者的叶甚短于秆,宽 2~4 mm,坚挺;小穗梗长于苞片的 2~3 倍;雄花鳞片背部粗糙。

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